Medicare Participating Heart Bypass Center Demonstration:

Appropriateness Study -Appropriateness Rating Scale for CABG and PTCA

Submitted By:

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and:

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INSTRUCTIONS FOR REVIEWING AND RATING THE APPROPRIATENESS
OF INDICATIONS FOR CORONARY ARTERY BYPASS GRAFT SURGERY
AND PERCUTANEOUS TRANSLUMINAL CORONARY ANGIOPLASTY

INTRODUCTION

The rating forms are organized in 9 chapters by clinical presentation. For the first 8 chapters, you are asked to rate the appropriateness of performing coronary artery bypass graft surgery (CABG) and percutaneous transluminal coronary angioplasty (PTCA) for different, clinically specific procedure indications.

You may note a number of indications that clearly represent unacceptable practice or seem unreal. Their presence may merely represent an (inappropriate) adherence to the logic of the indication structure. However, they may also be there because they represent indications that are in fact occasionally used, and we need to have a specific judgment by the panel about appropriateness. Whatever your thoughts about the suitability of the indications, we request that you rate each one.

The list of definitions represents our best judgment of consensus opinions and conventions. They can be reconsidered and modified by the panel at the time of the meeting, if necessary, but please accept them for the first round and consult them when needed in making your judgments.

We have structured the indications around clinical scenarios, the extent of disease in the coronary arteries, and some tests results such as ejection fraction. We ask you to rate these indications for three different levels of comorbidity and risk. The three levels have been adopted from work by Parsonnet (see copy of paper enclosed). For purposes of our ratings, we have divided his scale into <9 (low or purposes of our ratings, we have divided his scale into <9 (low or normal risk), 9-15 (moderately high risk), and greater than 15 (high risk). For example, a 60 year old male with chronic angina would be in the moderately high risk category if he were undergoing CABG as an emergency because of a complication of PTCA (Parsonnet score 10). An 83 year old patient would be in the high risk category even if all other risk factors were absent (Parsonnet score 20)

For the panel meeting, we will collate your ratings and identify those in which there is agreement on the ratings. We will then provide you with a condensed version for rating after the panel discussions.

THE APPROPRIATENESS RATING SCALE

We ask you to rate the clinical appropriateness of performing CABG or PTCA using a nine-point scale as follows:

Appropriateness Rating	Relationship of Benefits to Risks
1	Risks greatly exceed benefits
2	
3	
4	
5	Benefits and risks about equal
6	
7	
8	
9	Benefits greatly exceed risks

For 1990, please tell us how appropriate it is to perform CABG or PTCA for each specified indication. You are free to use any of the nine points on the scale to define your evaluation of the degree of appropriateness for use of the procedure.

By "appropriate" we mean that the expected health benefits to an average patient (e.g. increased life expectancy, prevention of complications, relief of pain, reduction of anxiety, improved functional capacity, etc.) exceed the expected health risks (e.g., mortality, morbidity, pain produced by the procedure) by a sufficiently wide margin that the procedure is worth doing, AND it is superior to the alternative treatments (including no treatment).

Please evaluate benefits and risks based on commonly accepted best clinical practice at the present time. Your judgment of appropriateness should be for an average patient with the indication, presenting to an average cardiac surgeon in the United States who performs CABG or to an average U.S. cardiologist who performs PTCA. The ratings should reflect your own personal clinical judgment.

RATING INDICATIONS FOR APPROPRIATENESS

See the sample rating page (next page). The "Chapter", or clinical presentation is an average patient with chronic stable angina. For this presentation, there are 96 indications, each representing a specific combination of critical factors: severity of symptoms, extent of treatment, anatomic disease locus (left main, three vessel disease, etc.) and risk factors. The first combination of factors under "1. Severe Angina, A. Patient is on maximal medical therapy" depicts a patient with left main disease who has an ejection fraction of greater than 504.

	HOMBAL OR LOW RISK			BADEROLI SE	HIGH (0) AND VERY I		
	Appropriatemens of CABG, Pt NOT candidate for FTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy	Appropriateness of CABG, Ft NOT candidate for FTCA	Appropriateness of CABG, Ft IS candidate for FTCA	Appropriatement of FTCA, compared to medical therepy	
ATTENT HAS SEVERE ANGINA (CLASS III, IV)							
. ON MAXIMAL MEDICAL THERAPY							
1. Left main disease		5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9 (1-
a. Ejection fraction >50%							
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	123450.0.		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9 (13-
c. Ejection fraction <20%							
2. Three vessel disesse			a 1 2 3 4 5 6 7 8 °	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (19-
a. Ejection fraction >50%							
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 0		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(31-
c. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 0	9 123				
 Two vessel disease with proximal left anterior descending involvement 							
a. With a very positive exercise ECG			a 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(37-
al. Ejection fraction >50%							
a2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 9	9 1 2 3	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(49-
a3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 0	1			
with a negative to minimally							(55-
positive exercise ECG	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 9	9 1 2 3 4 5 6 7 8 9	1 61
bl. Ejection fraction >50%							
b2. Ejection fraction 20-49%	12313	- 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	8 9 1 2 3 4 5 6 7 8 9	
b3. Ejection fraction <20%	1 2 3 4 5 0 , 0	9 1 2 3					
4. Two vessel disease without proximal left anterior descending involvement							. 71
a. With a very positive exercise ECG		4 5 6 7 (8 9 1 2 3 4 5 6 7 6	8 9 1 2 3 4 5 6 7 1	8 9 1 2 3 4 5 6 7 6	8 9 1 2 3 4 5 6 7 8 9	. 71
al. Ejection fraction >50%							
a2. Ejection fraction 20-49%	12345670	9 123	1 2 3 4 5 6 7 1	8 9 1 2 3 4 5 6 7	8 9 1 2 3 4 5 6 7	8 9 1 2 3 4 5 6 7 8 9	(8:
a3. Ejection fraction <20%	1 2 3 4 5 6 7 9	9 1 2 3 4 5 4	, ,				

To the right of this indication are six nine-point scales for rating appropriateness. These are divided into two groups of three according to the headings at the top. The first group of three scales is for rating appropriateness of CABG and PTCA for a patient with normal or low operative risk. The second group of three is for rating appropriateness for patients with higher risk: first for patients with moderately high risk, and a second time, using the same scales, but a different symbol (X versus O) for patients with very high risk.

In each risk category, we ask you to rate each indication three ways: 1) the appropriateness of CABG if the patient is NOT also a candidate for PTCA (i.e., versus medical therapy), 2) the appropriateness of CABG if the patient IS also a candidate for PTCA, and 3) the appropriateness of PTCA compared to medical therapy.

Give your ratings of appropriateness by circling the number in each scale that represents your judgment for an average patient for that specific indication. The first set of three columns are scales for patients of low or normal risk. In the first column circle the number that represents your evaluation of appropriateness of CABG for a patient who is NOT a candidate for PTCA. In the second column, circle your rating of appropriateness for CABG for a patient who IS a candidate for PTCA. In the third column, circle your rating of appropriateness for PTCA versus medical therapy.

Next, moving to the second set of three columns, repeat your ratings for the same indication for a patient with moderately high risk circling the appropriate numbers in the second group of three scales, circling your rating of the appropriateness of CABG for a patient who is NOT a candidate for PTCA, CABG for a patient who IS a candidate for PTCA, and PTCA.

Finally, using the second set of 3 scales again, indicate your ratings for each of the three procedural choices for a patient with a very high risk by placing an "X" over the correct number on each of the three scales in the second group. A number can be both circled and have an X placed on it. When finished, you will have rated each specific indication nine times: for three procedural combinations in each of three levels of risk.

EXAMPLE

Note the boxed ratings on the example page. The circled number 8 in the scale in column 1 indicates that the panelist's opinion is that CABG is highly "appropriate" in a patient who is not a candidate for PTCA and who is a normal or low risk, with the combination of: 1) chronic stable angina, 2) severe angina, 3) on maximum medical therapy, with 4) two vessel disease with proximal left anterior descending involvement, 5) a negative to minimally positive exercise ECG, and 6) an ejection fraction of 20-49%.

The circled 2 in the second column represents the panelist's judgment that CABG is highly "inappropriate" for the same patient if he or she is also a candidate for PTCA, because the rater considers PTCA preferable to CABG in this patient. If in this patient, the rater felt it is a toss-up whether to perform CABG or PTCA, i.e., that the patient

could have either and their appropriateness is about equal, then he would circle the number 5, indicating that the indication for CABG in this situation is equivocal. The rating of 9 in the third column indicates that PTCA is judged to be extremely appropriate for this patient.

Considering the boxed ratings in the sixth column, we find that the panelist rates PTCA "appropriate" for a patient with the same combination of symptoms and findings but who is a moderately high operative risk by circling the number 7. Finally, a patient with the same characteristics except that he or she is a very high risk is given a rating of highly "inappropriate" for use of PTCA as indicated by the "X" over the number 2.

For each indication, please provide a rating for each procedural combination and for all three levels of risk. This will require that you circle 6 numbers and place an X over 3, a total of 9 ratings for each indication.

At the end of the indications are several blank forms. If you find there are some subdivisions or specific indications that are missing, we encourage you to write them down and provide ratings for them.

All of the above ratings apply only to patients who do not meet the general contraindications to CABG as listed in the definitions.

DEFINITIONS

UNSTABLE ANGINA

Chest pain thought to be due to myocardial ischemia, requiring hospitalization because of difficulty in control or concern about the possibility of myocardial infarction; includes 1) recent increase in the intensity, frequency, or duration of chronic angina, 2) the development of angina at rest, or 3) new onset of severe chest pain ("acute coronary insufficiency").

ASYMPTOMATIC CORONARY ARTERY DISEASE

A patient with significant coronary artery disease who has no history of angina. Includes patients screened for risk factors, high risk occupations, prior myocardial infarction.

ANGINA CLASS (Canadian Cardiovascular Society classification)

Class I = Angina on strenuous exertion.

Class II = Angina on walking or climbing stairs rapidly.

Class III = Angina on walking one or two level blocks.

Class IV = Angina on any physical activity; (Also include for this panel: angina at rest.)

SIGNIFICANT CORONARY ARTERY DISEASE

Left main disease: 50 percent or greater reduction in the luminal diameter of the left main coronary artery on angiography.

Three-vessel disease: 50 percent or greater reduction in the luminal diameter of all three major coronary arteries on angiography, with at least one lesion 70 percent or greater.

Two-vessel disease: 50 percent or greater reduction in the luminal diameter of two major coronary arteries, with at least one lesion 70 percent or greater.

One-vessel disease: 70 percent or greater reduction in the luminal diameter of one major coronary artery (not left main).

MAXIMUM MEDICAL THERAPY

The patient has received drugs from at least two of the three major categories (nitrates, beta-blockers, and calcium antagonists) OR the patient has received one class of medication but there is a note in the chart that the patient is unable to tolerate the others.

POSITIVE STRESS ECG

VERY POSITIVE STRESS ECG: (a) During the first 3 minutes of the test (or onset at heart rate less than 120 beats/minute off beta-blockers, or less than 6.5 METS) the patient develops: (1) 1 mm or more of horizontal or downsloping ST segment depression that is present 80 msec after the J-point or (2) the occurrence of typical angina; OR (b) a decrease in systolic blood pressure of 20 mm mercury or more; OR (c) more than 2 mm of horizontal or downsloping ST depression at any time, OR (d) persistence of ST depression for greater than 6 minutes post-exercise.

POSITIVE STRESS ECG: After the first 3 minutes of the test the patient develops: (1) 1 mm or more of horizontal or downsloing ST segment depression that is present 80 msec after the J-point or (2) typical angina occurs.

INDETERMINATE OR NEGATIVE STRESS ECG: Absence of any of the above findings.

LEVELS OF RISK

LOW RISK: Patient has no or few risk factors. Operative mortality risk is not significantly increased. (Parsonnet score 0-8)

INCREASED RISK: Expected operative mortality is 2-4 times that of a low-risk patient because of significant comorbidity, advanced age, re-operation, or associated non-coronary heart disease. (Parsonnet score 9-15)

HIGH RISK: Expected operative mortality is more than 4 times that of low risk patient because of significant comorbidity, advanced age, associated non-coronary heart disease. (Parsonnet score greater than 15)

GENERAL CONTRAINDICATIONS TO CABG

Although these contraindications apply to PTCA as well, PTCA may be considered for palliative relief of severe pain.

- 1. Terminal illness, such as cancer, AIDS, severe COPD, hepatic failure, where a reasonable prognosis is 6 months or less.
- 2. Advanced Dementia.
- 3 Severe impairment in ability to perform basic activities of daily living (Katz score of 3/6 or below) because of noncardiac disease.

CANDIDATE FOR PTCA

A patient with significant coronary artery disease in whom the characteristics of the lesions are such that there is a reasonable probability that dilatation can be accomplished without unusual risk.

CANDIDATE FOR CABG

A patient with significant coronary artery disease in whom the characteristics of the lesions are such that there is a reasonable probability that coronary artery bypass grafting can be accomplished without unusual risk.

CHRONIC STABLE ANGINA

The indications for CABG or PTCA in patients with chronic stable angina are grouped into the following categories:

- T. SEVERE ANGINA (CLASS III, IV)
- II. MILD OR MODERATE ANGINA (CLASS I, II)

Each of these categories is subdivided according to medical therapy:

- A. PATIENT IS ON MAXIMAL MEDICAL THERAPY
- B. PATIENT IS ON LESS THAN MAXIMAL MEDICAL THERAPY

Within each category, you are asked to rate the indication for appropriateness according to the location and extent of coronary artery disease:

- 1. Left Main Disease
- 2. Three vessel disease 3. Two vessel disease with proximal LAD
- 4. Two vessel disease without proximal LAD
- 5. Single vessel disease proximal LAD
- 6. Single vessel disease any vessel other than PLAD
- These are further broken down according to three levels of ejection fraction: >50%, 20-49%, and <20%, and, for two vessel disease, according to whether the exercise ECG was very positive

The structure of the indications is as follows:

I. SEVERE ANGINA (CLASS III, IV)

or not.

- A. PATIENT IS ON MAXIMAL MEDICAL THERAPY
 - 1. Left Main Disease
 - a. Ejection fraction 50% +
 - b. Ejection fraction 20-49%
 - c. Ejection fraction < 20%

There are a total of 96 indications in this chapter.

hapter 1		NORMAL OR LOW RISE		MODERATELY	HIGH (0) AND VERY N	*************
DEBONIC STABLE ANOTHA	Approprietencee of CABG, Pt NOT candidate for FTCA	Appropriatenese of CABG, Pt IS candidate for FTCA	Appropriateness of PTCA, compared to medical therapy	Appropriateness of CABG, pt MOT candidate for FTCA	Approprieteness of CABG, Pt IS candidate for FTCA	Approprietness of FTCA, compared to medical therapy
b. With a negative to minimally positive exercise ECG				1 2 2 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (91-
bl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	123456789 (97-
b2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	123456769	1 2 2 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (97-
b3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9	123430.00	1 2 3 4 5 6 7 8 9 (103-
 Single vessel disease - proximal left anterior descending 						1 2 3 4 5 6 7 8 9 (109
a. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	123456785	123456786	1 2 3 4 5 6 7 8 9 (109-
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456785	1 2 3 4 5 6 7 8 5	123456765	1 2 3 4 5 6 7 8 9 (115
c. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	123456785	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9 (121
6. Single vessel disease - any vessel other than PLAD						a 1 2 3 4 5 6 7 8 9 (127
a. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9	, 12345676	9 1 2 3 4 5 6 7 8 9 (127
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9	, 12345676:	9 1 2 3 4 5 6 7 8 9 (133
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	3 1 2 3 4 5 6 7 6 9	9 1 2 3 4 5 6 7 8 9 (139
B. ON LESS THAN MAXIMAL MEDICAL THERAPY						
1. Left main disease						
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (145
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (15)
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (157
2. Three vessel disease	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (163
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (16
b. Ejection fraction 20-49%			9 1 2 3 4 5 6 7 8		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (17
c. Ejection fraction <20%						
 Two vessel disease with proximal left anterior descending involvement 						
a. With a very positive exercise ECG					9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (18
al. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 A	9 1 2 3 4 5 6 7 8 9 (18 9 1 2 3 4 5 6 7 8 9 (18
a2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (18 9 1 2 3 4 5 6 7 8 9 (19
a3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 / 8	,	9 1 2 3 4 5 6 7 8 9 (19

apter 1		MORMAL OR LOW RISK		MODERATELY	HIGH (0) AND VERY B	
DONIC STABLE ANGINA	Approprietences of CABG, Pt NOT candidate for PTCA	Appropriatenese of CABG, Pt Is candidate for FTCA	Approprieteness of PTCA, compared to medical therapy	Approprieteness of CABG, Pt NOT candidate for PTCA	Approprietences of CABG, Pt IS candidate for FTCA	Approprietenese of PTCA, compared to medical therapy
b. With a negative to minimally positive exercise ECG				1 2 2 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (199-2
bl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (205-
b2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (211-
b3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123430.05			
 Two vessel disease without proximal left anterior descending involvement 						
a. With a very positive exercise ECG				1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (217-
al. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	123456785	1 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9 (223-
a2. Ejection fraction 20-49%					9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9 (229-
a3. Ejection fraction <20%	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 5			
b. With a negative to minimally positive exercise ECG					9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9 (235-
bl. Ejection fraction >50%	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 :	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9 (241-
b2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	12345678	9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9 (247-
b3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 3 6 7 6	,	
 Single vessel disease - proximal left anterior descending 					9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (253-
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 45 6 7 8 9 (259-
b. Ejection fraction 20-49%					9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (259- 9 1 2 3 4 5 6 7 8 9 (265-
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 3 6 / 8	,	
Single vessel disease - any vessel other than PLAD					9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (271
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (277
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (283
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	,	9 1 2 3 4 5 6 7 8 9 (283

hapter 1		MORMAL OR LOW RISK		***************************************			
MEGNEC STABLE ANGINA	Appropriatenese of CAMG, Pt NOT candidate for PTCA	Appropriateness of CASG, Pt IS candidate for PTCA	Appropriateness of FTCA, compared to medical therapy	Approprieteness of CABG, Pt MOT candidate for FTCA	Approprietences of CABG, Pt Is candidate for PTCA	Approprietenese of FTCA, compared to medical therapy	
PATIENT HAS MILD OR MODERATE ANGINA (CLASS I, II)							
A. ON MAXIMAL MEDICAL THERAPY							
1. Left main disease					1 2 2 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(289-29
a. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123430709	1 2 3 4 5 6 7 8 9	(295=30
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(201-20
c. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(301-30
2. Three vessel disease							
	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(307-31
a. Ejection fraction >50%		1 2 2 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(313-3
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 5	123456785	12345678	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(319-3
c. Ejection fraction <20%	123430						
 Two vessel disease with proximal left anterior descending involvement 							
a. With a very positive exercise ECG					0 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9	(325-3
al. Ejection fraction >50%	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	12343676	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(331-3
a2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6		9 1 2 3 4 5 6 7 8 9	(337-3
a3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, 123430.0	9 1 2 3 4 5 6 7 8 9	
b. With a negative to minimally							
positive exercise ECG		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(343-3
bl. Ejection fraction >50%		0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 / 8 9	(349-3
b2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(355-3
b3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 6	,				
 Two vessel disease without proximal left anterior descending involvement 							
a. With a very positive exercise ECG					9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(361-3
al. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 8		9 1 2 3 4 5 6 7 8 9	(367-3
a2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8		9 1 2 3 4 5 6 7 8 9	(373-3
a3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 / 8	9 1 2 3 4 5 6 7 8 9	

Chapter 1		NORMAL OR LOW RISK		MODERATELY	HIGH (0) AND VERY		
CHRONIC STARLE ANGENA	Appropriateness of CANG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of PTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for PTCA	Approprieteness of FTCA, compared to medical therapy	
b. With a negative to minimally positive exercise ECG						1 2 3 4 5 6 7 8 9	(379-384
bl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	123456705	1 2 3 4 5 6 7 8 9	(385-390
b2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(391-39
b3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 1 2 3 4 5 6 7 6 7	1 2 3 4 5 6 7 8 9	(011
 Single vessel diaease - proximal left anterior deacending 						. 1 2 3 4 5 6 7 8 9	(397-40
a. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	12345678	9 1 2 3 4 5 6 7 8 9	(403-40
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	, 12345678	9 1 2 3 4 5 6 7 8 9	(409-41
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	12345678	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	,,,,,
 Single vessel disease - any vessel other than PLAD 							(415-42
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9	(421-42
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9	(427-4)
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 6	9 1 2 3 4 5 6 7 8 9	
B. PATIENT IS ON LESS THAN MAXIMAL MEDICAL THERAPY							
1. Left main diaease					9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(433-4
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(439-4
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8		0 1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(445-4
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 6	9 1 2 3 4 5 6 7 8 9	
2. Three vessel diaease						9 1 2 3 4 5 6 7 8 5	(451-4
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(457-4
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	(463-4
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 123430.0	9 1 2 3 4 5 6 7 8 5	
 Two vessel disease with proximal left anterior deacending involvement 							
a. With a very positive exercise ECG					a 1 2 3 4 5 6 7 A	9 1 2 3 4 5 6 7 8 5	(469-4
al. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 (475-4
a2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 (481-4
a3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, , , , , , , , , , ,	9 1 2 3 4 5 6 7 8	

apter 1		MORMAL OR LOW RISK		MODERATELY	RIGH (O) AND WENT H	
ROWIC STABLE ANGERA	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of PTCA, compared to medical therapy	Appropriateness of CABG, Pt MOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for PTCA	Appropriatemess of PTCA, compared to medical therapy
 b. With a negative to minimally positive exercise ECG 						
bl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (487-45
b2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9 (493-4)
b3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123430,0,	1 2 3 4 5 6 7 8 9 (499-50
4. Two vessel disease without proximal left anterior descending involvement						
a. With a very positive exercise ECG				1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (505-5
al. Ejection fraction >50%	1 2 3 4 5 6 7 8 5	123456789	123456789	123456789	123456789	1 2 3 4 5 6 7 8 9 (511-
a2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	123456785	4 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (517-
a3.Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123430.0		
b. With a negative to minimally positive exercise ECG					0 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9 (523-
bl. Ejection fraction >50%	1 2 3 4 5 6 7 8	12345678	12345678	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9 (529-
b2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9 (535-
b3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	12345070	,	
 Single vessel disease - proximal left anterior descending 				1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (541-
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (547-
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (553-
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6		
 Single vessel disease - any vessel other than PLAD 				1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (559-
a, Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	12345678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (565-
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	2345678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (571-
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 6	,	

UNSTABLE ANGINA

The indications for CABG or PTCA in patients with unstable angina are grouped into the following categories:

- I. SYMPTOMS ON MAXIMAL MEDICAL THERAPY
- II. SYMPTOMS ON LESS THAN MAXIMAL MEDICAL THERAPY
- III. NO SYMPTOMS ON MAXIMAL MEDICAL THERAPY

Within each category, you are asked to rate the indication for appropriateness according to the location and extent of coronary artery disease:

- 1. Left Main Disease
- 2. Three vessel disease
- 3. Two vessel disease with proximal LAD
- 4. Two vessel disease without proximal LAD
- 5. Single vessel disease proximal LAD
- 6. Single vessel disease any vessel other than PLAD

These are further broken down according to three levels of ejection fraction: >50%, 20-49%, and <20%. There are a total of 54 indications in this chapter.

hapter 2		MORMAL OR LOW RISK			HIGH (0) AND VERY		
HSTABLE ANGINA	Appropriateness of CABG, Pt NOT candidate for FTCA	Appropriateness of CABG, Pt IS candidate for PTCA	Appropriateness of PTCA, compared to medical therapy	Appropriateness of CABG, Pt HOT candidate for PTCA	Appropriateness of CARG, Pt IS candidate for PTCA	Appropriateness of FTCA, compared to medical therapy	
THE TORE OR HANDRAL MEDICAL TREEAPY							
LEFT MAIN DISEASE					9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9	(1- 6
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456769	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(7- 12
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	12345678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(13- 18
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	12343070	,		
. THREE VESSEL DISEASE						9 1 2 3 4 5 6 7 8 9	(19- 2
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	123456785	1 2 3 4 5 6 7 8 9	12345678	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(25- 3
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	12345678	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8		9 1 2 3 4 5 6 7 8 9	(31- 3
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	12345678	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9	
TWO VESSEL DISEASE WITH PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT						9 1 2 3 4 5 6 7 8 9	(37- 4
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 5	12345678	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(43-
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	, , , , , , , , , ,	9 1 2 3 4 5 6 7 8 9	(49- 1
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9	
D. TWO VESSEL DISEASE WITHOUT PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT							(55- :
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9	(61-
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 67=
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(0,
E. SINGLE VESSEL DISEASE - PROXIMAL LEFT ANTERIOR DESCENDING						0 1 2 3 4 5 6 7 8 9	(73-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9	1 79-
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9	(85=
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	. 9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	, ,,,,
F. SINGLE VESSEL DISEASE - ANY VESSEL OTHER THAN PLAD							(91-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	19 12345676	9 1 2 3 4 5 6 7 8 9	(97-1
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 6	8 9 1 2 3 4 5 6 7 8 9	(103-1
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	19 12345678	8 9 1 2 3 4 5 6 7 8 9	

hapter 2		MORMAL OR LOW RISE		MODERATELY	HIGH (0) AND VERY S	
Instable anguma	Appropriateness of CABG, Pt NOT candidate for FTCA	Appropriateness of CABG, Pt IS cendidate for FTCA	Appropriateness of FTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of PTCA, compared to medical therapy
SYMPTOMS ON LESS THAN MAXIMAL MEDICAL TREBARY						
A. LEFT MAIN DISEASE					1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (109-11
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456709	123456789	1 2 3 4 5 6 7 8 9 (115-13
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	123456789	1 2 3 4 5 6 7 8 9 (121-1
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456769		1 2 3 4 5 6 7 8 9 (121-1
B. THREE VESSEL DISEASE						1 2 3 4 5 6 7 8 9 (127-1
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 5		1 2 3 4 5 6 7 8 9 (127-1
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (133-1
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456785	1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (139-1
C. TWO VESSEL DISEASE WITH PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT						
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 6 5	1 2 3 4 5 6 7 8 9 (145-1
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9 (151-1
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6 5	9 1 2 3 4 5 6 7 8 9 (157-1
D. TWO VESSEL DISEASE WITHOUT PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT						
1. Ejection fraction >50%	123456785	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9 (163-1
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (169-1
2. Ejection fraction 20%	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (175-7
E. SINGLE VESSEL DISEASE - PROXIMAL LEFT ANTERIOR DESCENDING					0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (181-1
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 3 6 7 8	0 1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (181-
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8		9 1 2 3 4 5 6 7 8 9 (187-
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9 (193-
F. SINGLE VESSEL DISEASE - ANY VESSEL OTHER THAN PLAD						0 1 2 3 4 5 6 7 8 9 (199-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (199-
2, Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (205-
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (211-

hapter 2		MORMAL OR LOW RISK		MODERATELE	HIGH (0) AND VERY	
HETABLE ANGINA	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt Is candidate for PTCA	Appropriateness of FTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy
NO SYMPTOMS ON MAXIMAL MEDICAL TREBARY (NOT PREVIOUSLY RECEIVING MAXIMUM MEDICAL TREBARY)						
A. LEFT MAIN DISEASE			1 2 3 4 5 6 7 8 9	12345678	123456789	1 2 3 4 5 6 7 8 9 (217-22
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 6 9	123456789	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9 (223-22
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	123456789	123456789	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (229-23
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123430707			
B. THREE VESSEL DISEASE				1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (235-24
1. Ejection fraction >50%					9 1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9 (241-2
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	123456785	1 2 3 4 5 6 7 8 9			1 2 3 4 5 6 7 8 9 (247-2
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 5	12343070	,	
C. TWO VESSEL DISEASE WITH PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT				1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9 (253-2
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 6 1	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9 (259-2
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (265-2
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	12343676	,	
D. TWO VESSEL DISEASE WITHOUT PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT					9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (271-2
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	12343070	0 1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (277-2
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8		9 1 2 3 4 5 6 7 8 9 (277-2
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9 (283-2
E. SINGLE VESSEL DISEASE - PROXIMAL LEFT ANTERIOR DESCENDING					9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (289-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (295-
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	0 1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (295-
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, 12343070	9 1 2 3 4 5 6 7 8 9 (301-
F. SINGLE VESSEL DISEASE - ANY VESSEL OTHER THAN PLAD					0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (307-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (313-
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (313-9 1 2 3 4 5 6 7 8 9 (319-
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 / 8	. ,	9 1 2 3 4 5 6 7 8 9 (319-

ACUTE MYOCARDIAL INFARCTION

The indications for CABG or PTCA in patients with acute myocardial infarction are grouped into the following categories:

I. CARDIOGENIC SHOCK PRESENT

There are four indications in this category: Left main disease, 3 VD, 2 VD, and 1 VD.

- II. EVOLVING MYOCARDIAL INFARCTION (First 12 hours) AFTER SUCCESSFUL THROMBOLYTIC THERAPY
- III. EVOLVING MYOCARDIAL INFARCTION (First 12 hours) -THROMBOLYTIC THERAPY NOT SUCCESSFUL OR NOT GIVEN

Each of these major categories is subdivided into two types of AMI:

- A. Transmural (Q-wave) myocardial infarction
- B. Subendocardial (Non-Q-wave) myocardial infarction

Within each type of MI, you are asked to rate the indication for appropriateness according to the location and extent of coronary artery disease:

- 1. Left Main Disease
- 2. Three vessel disease
- 3. Two vessel disease with proximal LAD
- 4. Two vessel disease without proximal LAD
- 5. Single vessel disease proximal LAD
- 6. Single vessel disease any vessel other than PLAD

Each is rated according to three levels of ejection fraction.

The structure of the indications is:

- II. EVOLVING MYOCARDIAL INFARCTION (First 12 hours) AFTER SUCCESSFUL THROMBOLYTIC THERAPY
 - A. Transmural (Q-wave) myocardial infarction
 - 1. Left Main Disease
 - a. Ejection fraction 50%+
 - b. Ejection fraction 20-49%
 - a total of 76 indications in this chapter.

Chapter 3		MORMAL OR LOW RISK			HIGH (0) AND VERY B	
ACUTE MYCCARDIAL INFARCTION	Appropriateness of CABC, Pt NOT candidate for PTCA	Appropriatences of CARG, Pt IS candidate for FTCA	Appropriateness of FTCA, ocmpared to medical therapy	Appropriateness of CABG, Pt NOT candidate for PTCA	Approprieteness of CABG, Pt IS candidate for PTCA	Appropriatemess of FTCA, compared to medical therapy
PARDIOGRAIC SHOCK PRESENT						1 2 3 4 5 6 7 8 9 (1- 6
1. Left main disease	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	123456789	123456789 (1-6
2. Three vessel disease	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 5	123456789	9 1 2 3 4 5 6 7 8 9 (13- 18
3. Two vessel disease	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9 (19- 24
4. Single vessel disease	1 2 3 4 5 6 7 8 9	123456789	123450.02			
EVOLVING MYOCARDIAL INFARCTION (FIRST 12 HOURS) - AFTER SUCCESSFUL TERMHOLYSIS						
A. TRANSMURAL (Q-WAVE) MYOCARDIAL INFARCTION						
1. Left main disease				1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9 (25- 3
a. Ejection fraction >50%				9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 / 8	9 123 130
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 5	, 123456/83		1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (37- 4
c. Ejection fraction <20%				i		
2. Three vessel disease			0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (43- 4
a. Ejection fraction >50%			. 1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 / 8	, 113,30
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (55-6
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 / 8	9 1 2 3 4 3 5			
Two vessel disease with proximal left anterior descending involvement			^ * 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (61-
a. Ejection fraction >50%				9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 123430141
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (73-
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 123435			
 Two vessel disease without proximal left anterior descending involvement 				9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (79-
a. Ejection fraction >50%				9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 123 100 10 1
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	3 9 1 2 3 4 5 6 7 8 9 (91-
c. Ejection fraction <20%		9 1 2 3 4 5 6 7 6	, 123,000			
Single vessel disease - proximal left anterior descending				9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	8 9 1 2 3 4 5 6 7 8 9 (97-1
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	. 9 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	8 9 1 2 3 4 5 6 7 8 9 (103-1
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	, 9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 0 7 0			

hapter 3		NORMAL OR LOW RISK				HIGH (0) AND VERY E	Appropriateness	
GUTE MYOCARDIAL EMPARCTION	Approprieteness of CABG, Pt NOT candidate for FTCA	Approprieteness of CABG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy	Appropriation of CA: Pt NOT can for PT	ec, ndidate CA	Appropriateness of CABG, Pt IS candidate for PTCA	of FTCA, compared to medical therapy	
c. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5	6789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(109-114
Single vessel disease - any vessel other than PLAD				1 2 3 4 !	6789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(115-12
a. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	123456789	123456767	1 2 3 4 5	6789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(121-12
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1234	6789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(127-13
c. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 1 2 3 4 5 6 7 8 9	1237	, , , , ,			
B. SUBENDOCARDIAL (NON Q-WAVE) MYOCARDIAL INFARCTION								
1. Left main disease				1 2 3 4	5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	(133-1
a. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	12345676	1 2 3 4	5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	(139-1
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 5	1 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	1 2 3 4	5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	(145-1
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	1				
2. Three vessel disease					5 6 7 8 9	9 1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	(151-1
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1234	5 6 7 8 9	9 1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	(157-1
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	1 2 3 4	5678	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	(163-1
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	11231				
 Two vessel disease with proximal left anterior descending involvement 				1 2 3 4	5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(169-1
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	0 1 2 3 4	5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(175-1
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 6		5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(181-
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	1				
 Two vessel disease without proximal left anterior descending involvement 			0 1 2 3 4 5 6 7 8	9 1 2 3 4	5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(187-
a. Ejection fraction >50%				9 1 2 3 4	5 6 7 8	9 1 2 3 4 5 0 7 0	, , , , , , , , , , , , , , , , , , , ,	
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	0 1 2 3 4 5 6 7 8	9 1 2 3 6	5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(199-
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, , , , , , , , , , , , , , , , , , , ,					
Single vessel disease - proximal left anterior descending				9 1 2 3	5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	(205-
a. Ejection fraction >50%				9 1 2 3 4	15678	9 1 2 3 4 3 6 7 6	, , , , , , , , , , , , , , , , , , , ,	
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 6	9 1 2 3	5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(217-
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7						

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hepter 3		SOMMAL OR LOW RISK		MODERATELY	HIGH (0) AND VERY B	
CUTE MYCCARDIAL IMPARCTICS	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of PTCA, compared to medical therapy	Appropriateness of CABG, Pt HOT candidate for FTCA	Appropriateness of CABG, Pt IS candidate for PTCA	Appropriateness of FTCA, compared to medical therapy
 Single vessel disease - any vessel other than PLAD 						
a. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (223-
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9 (229-
c. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 6 9	123177	1 2 3 4 5 6 7 8 9 (235-
EVOLVING MYOCARDIAL INFARCTION (FIRST 12 HOURS) - TREAMSOLYSIS UNSUCCESSFUL OR NOT ADMINISTERED						
A. TRANSMURAL (Q-WAVE) MYOCARDIAL INFARCTION						
1. Left main disease				1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9 (241-
a. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 3	123450703	12345678	9 1 2 3 4 5 6 7 8 9 (247
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	1 2 3 4 3 6 7 6 7		9 1 2 3 4 5 6 7 8 9 (253
c. Ejection fraction <20%	1 2 3 4 5 6 7 8 5	12345678	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 3	1 12343070	9 1 2 3 4 5 6 7 8 9 (253
2. Three vessel disease					0 1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (259
a. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	12345678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6		9 1 2 3 4 5 6 7 8 9 (259
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, 12345670	9 1 2 3 4 5 6 7 8 9 (265
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	12345678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, 12345676	9 1 2 3 4 5 6 7 8 9 (271
 Two vessel disease with proximal left anterior descending involvement 				1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (277
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6		0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (283
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	0 1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (285
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 / 8	,	9 1 2 3 4 5 6 7 8 9 (285
4. Two vessel disease without proximal left anterior descending involvement				0 3 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (29)
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (30
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (30
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, 11343070	9 1 2 3 4 5 6 7 8 9 (30
 Single vessel disease - proximal left anterior descending 					9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (31
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (31
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 / 8	, 12343070	9 1 2 3 4 5 6 7 8 9 (31

Chapter 3		MODULAL OR LOW RISK		MODERATELY	HIGH (0) AND VERY H		
ACUTE MYOCARDIAL IMPARCTION	Appropriatences of CABG, Pt NOT candidate for FTCA	Appropriateness of CABG, Pt Is candidate for FTCA	Appropriateness of FTCA, compared to medical therapy	Appropriateness of CABG, Pt MOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of PTCA, compared to medical therapy	
c. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(325-33
 Single veseel disease - any veseel other than PLAD 						1 2 3 4 5 6 7 8 9	(331-3)
a. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	123450,0,	1 2 3 4 5 6 7 8 9	(337-3
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456785	123456789	1 2 3 4 5 6 7 8 9	(343-3
c. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 1 2 3 4 5 6 7 8 9	123456.0	123434	1 2 3 4 5 6 7 8 9	
B. SUBENDOCARDIAL (NON Q-WAVE) MYOCARDIAL INFARCTION							
1. Left main disease			4 5 6 7 8 6	2345678	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(349-3
a. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5) 123456769	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(355-7
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 7	2345678	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(361-
c. Ejection fraction <20%	1 2 3 4 5 6 7 8 5) 123456785) 123456/03	123455			
2. Three vessel disease				1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(367-
a. Ejection fraction >50%					9 1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	(373-
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	, 12345670	9 1 2 3 4 5 6 7 8 5			1 2 3 4 5 6 7 8 9	
c. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 6 .	, , , , , , , , , , , , , , , , , , , ,			
 Two vessel disease with proximal left anterior descending involvement 			0 1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9	(385-
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(391-
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	(397-
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 6	1123			
 Two vessel disease without proximal left anterior descending involvement 			4 5 6 7 8	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(403-
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	2345678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(409
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(415
c. Ejection fraction <20%		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	1123333			
Single vessel disease - proximal left anterior descending				0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(421
a. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(427
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 0	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(433
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 3 0 . 0	,		

apter 3		MORNAL OR LOW RISK		MODERATELY	HIGH (0) AND VERY	
TOTE MYCCARDIAL INFARCTION	Appropriateness of CABG, Pt NOT candidate for FTCA	Appropriateness of CABG, Pt IS candidate for PTCA	Appropriateness of FTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for PTCA	Appropriateness of FTCA, compared to medical therapy
6. Single vessel diseass - any vessel other than PLAD				1 2 3 4 5 6 7 8 9	123456785	1 2 3 4 5 6 7 8 9 (439
a. Ejection fraction >50%			1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 6 7 1445-
b. Ejection fraction 20-49%	1 2 3 4 5 6 / 8 9			1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (451-

POST MYOCARDIAL INFARCTION

The indications for CABG or PTCA in patients post myocardial infarction are grouped into the following categories:

- A. WITHIN 7 DAYS OF AN ACUTE MYOCARDIAL INFARCTION (OR BEFORE HOSPITAL DISCHARGE)
 - I. ANGINA AFTER THROMBOLYTIC THERAPY
 - II. ANGINA NO THROMBOLYTIC THERAPY HAS BEEN GIVEN
 - III. ASYMPTOMATIC WITH POSITIVE EXERCISE ECG
 - IV. ASYMPTOMATIC WITH NEGATIVE TO MINIMALLY POSITIVE EXERCISE ECG

Each of the last two major categories is subdivided into two types of AMI:

- A. Transmural (Q-wave) myocardial infarction
- B. Subendocardial (Non-Q-wave) myocardial infarction
- For all categories, there are 7 levels of disease:
 Left main disease (LM) with anterior infarction, LM with
 posterior or posterior-inferior infarction, 3 VD, 2 VD with
 PLAD, 2 VD without FLAD and 1 VD, PLAD or other.

Each vessel level indication is further subdivided according to three levels of ejection fraction: >50%, 20-49%, and <20%.

- B. ONE TO SIX WEEKS FOLLOWING AN ACUTE MYOCARDIAL INFARCTION
 - I. ANGINA
 - II. ASYMPTOMATIC WITH POSITIVE EXERCISE ECG
- III. ASYMPTOMATIC WITH NEGATIVE TO MINIMALLY POSITIVE EXERCISE . ECG

The last two categories are subdivided into transmural and subendocardial MI with the same vessels and ejection fractions as above.

There are a total of 231 indications in this chapter.

hapter 4		MORMAL OR LOW RISK		1		IGE (0) AND VERY E	Appropriateness	
OST MYOCARDIAL INFARCTION	Appropriateness of CABG, Pt NOT candidate for PTCA	Approprieteness of CABG, Pt IS candidate for FTCA	Appropriateness of PTCA, compared to medical therapy	1	Appropriateness of CABG, Pt NOT candidate for PTCA	Approprieteness of CABG, Pt IS candidate for PTCA	of PTCA, compared to medical therapy	
MITHIN 7 DAYS OF ANG; PATIENT HAS ANGUNA AFTER THROMBOLYTIC THERAPY								
A. LEFT MAIN DISEASE - ANTERIOR MYOCARDIAL INFARCTION					1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(1-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456703		1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(7- 1
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456785		1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(13- 1
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	12345676	1	113131			
B. LEFT MAIN DISEASE - POSTERIOR OR POSTERIOR-INFERIOR MYOCARDIAL INFARCTION					1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(19- 2
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 :	1	123456789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(25- 3
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	,	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(31-
3. Ejection fraction <20%	1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 6	1	123430,0			
C. THREE VESSEL DISEASE						1 2 3 4 5 6 7 8 9	123456789	(37-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	1	4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(43-
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	,	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	(49-
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	1	123434			
D. TWO VESSEL DISEASE WITH PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT						1 2 3 4 5 6 7 8 5	123456789	(55-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	"		12345678	9 1 2 3 4 5 6 7 8 9	(61-
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	,	4 5 6 7 8 9	12345678	9 1 2 3 4 5 6 7 8 9	(67-
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	,	, , , , , , , , ,			
E. TWO VESSEL DISEASE WITHOUT PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT					9 1 2 3 4 5 6 7 8 5	12345678	9 1 2 3 4 5 6 7 8 9	(73-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	,	9 1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(79-
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8			9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(85-
 Ejection fraction <20% 	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 6					
F. SINGLE VESSEL DISEASE - PROXIMAL LEFT ANTERIOR DESCENDING			0 1 2 3 4 5 6 7 8	R 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(91-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(97-
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(103-
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, , , , , , , , ,	. ′				

Chapter 4		NORMAL OR LOW RISK			EIGH (0) AND VERY		
POST MYCCARDIAL IMPARCTICS	Appropriateness of CABG, Pt NOT candidate for FTCA	Appropriateness of CABG, Ft IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of PTCA, compared to medical therapy	
G. SINGLE VESSEL DISEASE - ANY VESSEL OTHER THAN PLAD						1 2 2 4 5 6 7 8 9	(109=11
a. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	(115-12
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	(121-12
c. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123436769	1 2 3 4 5 6 7 8 9	,
NITHIN 7 DAYS FOLLOWING AMI; PATIENT MAS AMGINA - NO THROMBOLYTIC THERAPY GIVEN							
A. LEFT MAIN DISTASE - ANTERIOR MYOCARDIAL INFARCTION							(127=1
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	(133-1
2. Ejection fraction 20-49%						1 2 3 4 5 6 7 8 9	
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	(13)-1
 LEFT MAIN DISEASE - POSTERIOR OR POSTERIOR-INFERIOR MYOCARDIAL INFARCTION 							11.45-1
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	12345678	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 :	1 2 3 4 5 6 7 8 9	(143-1
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	123456789	(157-1
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	(137-1
C. THREE VESSEL DISEASE							(162-1
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(169-1
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(175-1
 Ejection fraction <20% 	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	, 123430/8	9 1 2 3 4 5 6 7 8 9	
D. TWO VESSEL DISEASE WITH PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT					0 1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(181-1
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8		9 1 2 3 4 5 6 7 8 9	(187-1
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	, 12345678	9 1 2 3 4 5 6 7 8 9	(193-1
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	,.,,
E. TWO VESSEL DISEASE WITHOUT PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT							(199=2
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(205=2
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(211-2
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(211-2

hapter 4		MORMAL OR LOW RISE		MODERATELI	HIGH (0) AND VERY B		
OST MYOCARDIAL INVARCENCE	Appropriateness of CABG, Pt NOT candidate for FTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy	Appropriateness of CABG, Ft NOT candidate for PTCA	Appropriateness of CABG,	Appropriateness of PTCA, compared to medical therapy	
SINGLE VESSEL DISEASE - PROXIMAL LEFT ANTERIOR DESCENDING				1 2 2 4 5 6 2 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(217-22
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(223-22
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(229-23
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123430707				
 SINGLE VESSEL DISEASE - ANY VESSEL OTHER THAN PLAD 				1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(235-24
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	(241-24
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 5	1 1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(247-2
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 3	1 1 2 3 4 3 6 7 6 7				
WITHIN 7 DAYS AFTER AMI; PATIEFT IS ASTROTOGRATIC - WITH POSITIVE EXERCISK ROG 1. Transmural (Q-wave) myocardial infarction							
 Left main disease - Anterior myocardial infarction 					0 1 2 3 4 5 6 7 8 1	9 1 2 3 4 5 6 7 8 9	(253-2
al. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(259-2
a2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(265-2
a3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	12313070			
 b. Left main disease - Posterior or Posterior-Inferior myocardial infarction 						. 1 2 3 4 5 6 7 8 9	(271-2
bl. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9	(277-2
b2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(283-
b3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 12 3 4 3 6 7 6	9 1 2 3 4 5 6 7 8 9	
c. Three vessel disease				9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(289-
cl. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(295-
c2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(301-
c3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, 12343070				

panellst 0; round 0; page 18

ter 4		HORMAL OR LOW RISK		BURKARAU	HIGH (0) AND VERY H	
MYOCARDIAL INFARCTION	Appropriateness of CABG, Pt NOT candidate for FTCA		Appropriateness of FTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for FTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy
d. Two vessel disease with proximal left anterlor descending lnvolvement						4 5 6 7 8 9 /307-31
dl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (307-3)
d2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (313-3
d3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (319-32
 Two vessel disease without proximal left anterior descending involvement 						1 2 3 4 5 6 7 8 9 (325-3
el. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	, 123450707	1 2 3 4 5 6 7 8 9 (325-3
e2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	, 123450707	1 2 3 4 5 6 7 8 9 (331-3
e3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	, 123436,6,	1 2 3 4 5 6 7 8 9 (337-
 Single vessel disease - proximal left anterior descending 						1 2 3 4 5 6 7 8 9 (343-
fl. Ejection fraction >50%	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	12345676		1 2 3 4 5 6 7 8 9 (343-
f2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	, 123456785	9 1 2 3 4 5 6 7 8 9 (349-
 Ejection fraction <20% 	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 123430707	9 1 2 3 4 5 6 7 8 9 (355-
g. Single vessel disease - any vessel other than PLAD						o 123456789 (361-
gl. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8		9 1 2 3 4 5 6 7 8 9 (361-
g2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 1	1 2 3 4 5 6 7 8	, , , , , , , , , , , , ,	9 1 2 3 5 6 7 8 9 (367-
g3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6 1	9 1 2 3 4 5 6 7 8 9 (373-
 Subendocardial (non Q-Wave) myocardia infarction 	1					
a. Left main disease - Anterior myocardial infarction					0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (379-
al. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (379-
a2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (385-
a3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9 (391-

pter 4		MORMAL OR LOW RISK		MODERATELY	HIGH (0) AND VERY	
PT MYOCARDIAL IMPARCTION	Appropriateness of CAEG, Pt NOT candidate for PTCA		Approprieteness of PTCA, compared to medical therapy	Approprieteness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Approprieteness of FTCA, compared to medical therapy
 b. Left main disease - Posterior or Posterior-Inferior myocardial infarction 	-×					
bl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (397-40
b2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (403-4)
b3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	9 1 2 3 4 3 0 7 0 3	1 2 3 4 5 6 7 8 9 (409-4
c. Three vessel disease					0 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (415-4
cl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456785	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9 (415-4
c2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9 (421-4 9 1 2 3 4 5 6 7 8 9 (427-4
c3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	9 1 2 3 4 3 6 7 6	, 1	
d. Two vessel disease with proximal left anterior descending involvement					0 1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (433-
dl. Ejection fraction >50%	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (433-
d2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (439-
d3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, 123430.0	9 1 2 3 4 5 6 7 8 9 (445-
 Two vessel disease without proximal left anterior descending involvement 					9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (451-
el. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (457-
e2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (463-
e3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	3 1 2 3 4 3 6 7 6		
 Single vessel disease - proximal left anterior descending 				9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (469-
fl. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (475-
f2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (481-
f3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 / 6			
g. Single vessel disease - any vessel other than PLAD				9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (487-
gl. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (493
g2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (499-
g3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 8	11.4		

hapter 4		SORMAL OR LOW RISK		MODERATELLI	HIGH (0) AND VERY B	***************************************
OST MYOCARDIAL INFARCTION	Appropriateness of CARG, Pt HOT candidate for FTCA	Approprietenese of CABG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy	Approprieteness of CABG, Pt NOT candidate for PTCA	Approprieteness of CABG, Pt IS candidate for FTCA	Approprictanese of FTCA, compared to medical therapy
TITHIN 7 DAYS AFTER AMI; PATIENT IS STROPTOMATIC - WITH NEGATIVE TO MINIMALLY COSTIVE EXERCISE ECG						
 Transmural (Q-wave) myocardial infarction 						
 Left main disease - Anterior myocardial infarction 						1 2 3 4 5 6 7 8 9 (505-51
al. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9 (505-51
a2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 3 6 7 6 9	123456789	1 2 3 4 5 6 7 8 9 (511-51
a3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123430707	1 2 3 4 5 6 7 8 9 (517-52
 b. Left main disease - Posterior or Posterior-Inferior myocardial infarction 						1 2 3 4 5 6 7 8 9 (523-5
bl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9 (523-5
b2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	123456702	1 2 3 4 5 6 7 8 9 (529-5
b3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123450707	9 1 2 3 4 5 6 7 8 9 (535-5
c. Three vessel disease						0 1 2 3 4 5 6 7 8 9 (541-5
cl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9		9 1 2 3 4 5 6 7 8 9 (541-5
c2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9 (547-5 9 1 2 3 4 5 6 7 8 9 (553-5
c3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 5	1 12343070.	9 1 2 3 4 5 6 7 8 9 (553-5
 d. Two vessel disease with proximal left anterior descending involvement 						
dl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 5) 12345678	9 1 2 3 4 5 6 7 8 9 (559-5
d2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (565-5
d3. Ejection fraction <20%	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (571-5
e. Two vessel disease without proximal left anterior descending involvement						0 1 2 3 4 5 6 7 8 9 (577-5
el. Ejection fraction >50%	1 2 3 4 5 6 7 8	12345678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9 (577-5
e2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (583-5
e3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (589-5

r 4						DR IA	W RI	BK.					.											Appr					
	approportion of the second	CABG,		Apr	of IS	CAB	date			of I	red i				noi Noi	CA.	ndid			of Is	CAL	iidat			of	PTCA red	٠,		
f. Single vessel disease - proximal																													
left anterior descending				,	2 2	4 5	678	8 9	1 2	3 4	5 6	7 8	9	1 2	3	4 5	6 7	8 9	1 2	3	1 5	6 7	8 9	1 2	3 4	5 6	7 8	9	(595-600
fl. Ejection fraction >50%	1 2 3	4 5 6	/ 0 9						1 2	3 4	5 6	7 8	9	1 2	3 .	4 5	6 7	8 9	1 2	3	4 5	6 7	8 9	1 2	3 4	5 6	7 8	9	(601-606
f2. Ejection fraction 20-49%	1 2 3	4 5 6	7 8 9	1	2 3	4 3	6 / 1	. ,								4 5	6 7	8 9	1 2	2 3	4 5	6 7	8 9	1 2	3 4	5 6	7 8	9	(607-612
f3. Ejection fraction <20%	1 2 3	4 5 6	7 8 9	1	2 3	4 5	671	8 9	1 2	3 4	5 6	/ 8	,		. 3	• •	• •												
g. Single vessel disease - any vessel other than PLAD																											7 8	9	(613-618
gl. Ejection fraction >50%	1 2 3	4 5 6	7 8 9	1	2 3	4 5	6 7	8 9	1 2	3 4	5 (7 8	9	1 :	2 3	4 5	6 7	8 9	1 :	2 3	4 5	6 /	8 9	1 2					(613-618
									1 2	3 /	5 1	7 8	9	1 :	2 3	4 5	6 7	8 9	1 :	23	4 5	6 7	8 9	1 2	3 4		, ,	-	(01)
g2. Ejection fraction 20-49%			2 0 0	. ,	2 3	4.5	6 7	8 9	1 2	3 4	1 5	5 7 1	9	1	2 3	4 5	6 7	8 9	1	2 3	4 5	6 7	8 9	1 2	3 4	5 6	. 7 8	. 9	(625-636
g3. Ejection fraction <20%	1 2 3	4 3 6	, , ,	•																									
Subendocardial (non Q-Wave) myocardial infarction																													
 Left main disease - Anterior myocardial infarction 																	4.7		. 1	2 3	4 5	6 7	8 9	1 2	2 3 /	. 5 (678	3 9	(631-63
al. Ejection fraction >50%	1 2 3	4.5	5 7 8 9	9 1	2 3	4 5	6 7	8 9	1 :	2 3	4 5	6 /	0 >	1							4 5	6.7	8 9	1.7	2 3 /	4 5 (678	8 9	(637-64
a2. Ejection fraction 20-494	1 2 3	4.5	5 7 8	9 1	2 3	4 5	6 7	8 9	1	2 3	4 5	6 7	8 9	1	2 3	٠.		0 :							2 2	4.5.	671	8 9	(637-64 (643-64
a3. Ejection fraction <20%	1 2 3	4 5	6 7 8	9 1	2 3	4 5	6 7	8 9	1	2 3	4 5	6 7	8 9	1	2 3	4 :	6 7	8 9) 1	2 3	4 3	6 /	0 9						(643-64
 b. Left main disease - Posterior or Posterior-Inferior myocardial infarction 																												• •	1649-65
	1 2	3 4 5	678	9 1	. 2 3	4 5	6 7	8 9	1	2 3	4 5	6 7	8 9	1	2 3	4	5 6	7 8 9	9 1	2 3	4 5	6 7	8 9	, 1:	2 3				(649-65
									. 1	2 3	4 5	6 7	8 9	1	2 3	4	5 6	78	9 1	2 3	4 5	6 7	8 9	9 1 .	2 3	4 3	0 / 0	0 ,	(000
b2. Ejection fraction 20-49%	1 2	3 4 5							. 1	2 3	4 5	6 7	8 9	1	2 3	4	5 6	7 8	9 1	2 3	4 5	5 6	1 8 9	1:	2 3	4 5	6 7 1	8 9	(661-66
b3. Ejection fraction <20%														1															
c. Three vessel disease														١.	, :		5 6	7 8	9 1	2 3	4 5	5 6	78	9 1	2 3	4 5	6 7	8 9	(667-6
cl. Ejection fraction >50%	1 2	3 4 5	6 7 8	9	1 2	3 4 :	5 6 7	8 !	9 1	2 3	4 5	6 7	0 3	1.				7 0	9 1	,		5 6	7 8	9 1	2 3	4 5	6 7	8 9	(673-6
	1 2	3 4 5	678	9	1 2	3 4	5 6 7	7 8 9	9 1	2 3	4 5	6 7	8 9	ή,	2 :	3 4							7.0	0 1	2 3	4 5	6 7	8 9	(679-68
c3. Ejection fraction <20%	1 2	3 4 5	678	9	1 2	3 4	5 6 7	7 8	9 1	2 3	4 5	6 7	8 9	1	2 :	3 4	5 6	78	9 1	2 .		3 6	, .	, .					
c. Three vessel disease cl. Ejection fraction >50% c2. Ejection fraction 20-49%	1 2 1 2 1 2	3 4 5 3 4 5 3 4 5	6 7 8 6 7 8 6 7 8 6 7 8 6 7 8	9 1	1 2 3	3 4 5	5 6 7	8 9	9 1	2 3 2 3 2 3	4 5	676767	8 9 8 9 8 9	1 1	2 3 2 3 2 3	3 4	5 6 5 6 5 6	7 8 7 8 7 8 7 8	9 1 9 1 9 1 9 1	2 3 2 3 2 3	145	5 6 7	789	9 1 3 9 1 9 1	2 3 2 3 2 3	4 5	67	8 9 8 9 8 9	

hapter 4		HORMAL OR LOW RISK		MODERATELY	HIGH (0) AND VERY		
OST MYCCARDIAL INFARCTION	Appropriateness of CABG, Pt NOT candidate for PTCA		Appropriateness of FTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CARG,	Appropriateness of PTCA, compared to medical therapy	
d. Two vessel disease with proximal left anterior descending involvement							/685-691
dl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(691-69
d2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(697-70
d3. Ejection fraction <20%	1 2 3 4 5 6 7 6 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	, , , , , , , , , , , , , , , , , , , ,	1 2 3 4 5 6 7 8 9	
e. Two vessel disease without proximal 1-ft anterior descending involvement						0 1 2 3 4 5 6 7 8 9	(703-70
el, Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	, 12345676	9 1 2 3 4 5 6 7 8 9	(709-71
e2. Ejection fraction 20-49%					9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 9 1 2 3 4 5 6 7 8 9	(715-72
e3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	123456785	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 12343670	,	
 Single vessel disease - proximal left anterior descending 					a 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(721-7
fl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6 1	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(727-7
f2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(733-7
f3. Ejection fraction <20%	12345678	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	, , , , , , , , , , , , , , , , , , , ,			
g. Single vessel disease - any vessel other than PLAD			0 1 2 2 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(739-7
gl. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	. 1 . 2 . 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(745-7
g2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(751-7
g3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 12343070				
ONE TO SIX WEEKS POLLOWING AMI; PATIENT HAS ANGINA							
A. LEFT MAIN DISEASE - ANTERIOR MYOCARDIAL INFARCTION				9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(757-7
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	(763-
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	0 1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(769-7
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, 12343070				
B. LEFT MAIN DISEASE - POSTERIOR OR POSTERIOR-INFERIOR MYOCARDIAL INFARCTION				0 1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 (775-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	7 2 3 4 3 6 7 6	,		

hapter 4		HORMAL OR LOW RISK		MODERATELE	HIGH (0) AND VERY I		
OST MYOCARDIAL INFARCTION	Approprieteness of CABG, Pt NOT candidate for FTCA	Appropriatenese of CABG, Pt IS candidate for FTCA	Approprieteness of PTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for PTCA	Approprietences of CABG, Pt IS candidate for FTCA	appropriateness of FTCA, compared to medical therapy	
				1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(781-786
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456709	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(787-792
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123450707				
. THREE VESSEL DISEASE					1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(793-798
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	123456789	123456789		1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	(799-80
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	123456767	123456785	1 2 3 4 5 6 7 8 9	(805-81
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456767			
. TWO VESSEL DISEASE WITH PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT					1 2 3 4 5 6 7 8 1	123456789	(811-81
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 5	123436767	12345678	1 2 3 4 5 6 7 8 9	(817-82
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	123456769	12345678	9 1 2 3 4 5 6 7 8 9	(823-82
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	123456/89	123430.0	9 1 2 3 4 5 6 7 8 9	
E. TWO VESSEL DISEASE WITHOUT PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT					4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(829-83
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 6 3		9 1 2 3 4 5 6 7 8 9	(835-8
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8		9 1 2 3 4 5 6 7 8 9	(841-8
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 123450.0	9 1 2 3 4 5 6 7 8 9	
F. SINGLE VESSEL DISEASE - PROXIMAL LEFT ANTERIOR DESCENDING						0 1 2 3 4 5 6 7 8 9	(847-8
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9	(853-8
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9	(859-8
2. Ejection fraction 2004	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	
G. SINGLE VESSEL DISEASE - ANY VESSEL							
OTHER THAN PLAD			9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(865-8
a. Ejection fraction >50%			0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 0 7 0 7	(0.0
b. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 6	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(877-8
c. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	,				

hapter 4		MORMAL OR LOW RISK				HIGH (0) AND VERY B		
OUT MYOCARDIAL INVARCTION	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt Is candidate for FTCA	Appropriateness of FTCA, compared to medical therapy	Appropri		Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy	
ME TO SIX WEEKS POLICHING ANT; PATIENT IS STORTONATIC - WITH POSITIVE EXERCISE ECG								
A. LEFT MAIN DISEASE - ANTERIOR MYOCARDIAL INFARCTION							1 2 3 4 5 6 7 8 9	(883-88
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4	56789	123456789	1 2 3 4 5 6 7 8 9	(889-89
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4	56789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(895-90
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	123456785	1 2 3 4 5 6 7 8 9	1234	,,,,,,			
B. LEFT MAIN DISEASE - POSTERIOR OR POSTERIOR-INFERIOR MYOCARDIAL INFARCTION							123456789	(901-90
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	12345678	1 2 3 4		123456789	123456789	(907-9
2, Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	12345678	1 2 3	156789	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	(913-9
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3	, , , , , ,			
C. THREE VESSEL DISEASE				1, , ,	4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(919-9
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3	4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(925-9
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 12345678	1 2 3	4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	(931-9
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, 123430					
D. TWO VESSEL DISEASE WITH PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT				1 2 3	45678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(937-9
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3	4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(943-9
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3	4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(949-9
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, 123430.0					
E. TWO VESSEL DISEASE WITHOUT PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT					45678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(955-9
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3	45678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(961-9
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3	45678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(967-5
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 12345070	1				
F. SINGLE VESSEL DISEASE - PROXIMAL LEFT ANTERIOR DESCENDING					45678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(973-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3	45678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(979-
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	9 1 2 3	45678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(985-
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 12343070	1				

hapter 4		MORMAL OR LOW RISK				MANUEL P	TELL.	RIGH	(0)	AMD '							
OST MIOCARDIAL INFARCTION	Appropriateness of CABG, Pt MOT candidate for FTCA	Appropriateness of CABG, Pt IS candidate for PTCA	Appropriateness of FTCA, compared to medical therapy	Aps	of NOT	casc	ase , idate	App	IS	candi candi	date		of	PTC			
s single vessel disease - any vessel																	
OTHER THAN PLAD			1 2 3 4 5 6 7 8 9	١,	2 3 4	5 6	7 8 9	1 2	3	4 5 6	789	1 2	3 4	5 6	7 8	9 (991-99
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1		5.6	7 8 9	1.2	3	4 5 6	7 8 9	1 2	3 4	5 /	5 7 8	9 /	-100
2. Ejection fraction 20-49%					239					4 5 6	7 8 9	1 2	3 4	. 5	678	9	(-100
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1	234	5 6	/ 8 3			,,,							
OME TO SIX WEEKS POLLOWING AMI; PATIENT IS ASYMPTOMATIC - MITH HEGATIVE TO MINIMALLY POSITIVE EXERCISE ECG																	
 Transmural (Q-wave) myocardial infarction 																	
 Left main disease - Anterior myocardial infarction 			123456785				7 0	a 1	2 2	456	7 6 9	11	23.	4 5	678	9	(-10
al. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1	2 3						7 8 9	. 1:	2 3 -	4 5	678	9	(-10
a2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	12345678	123456789	1	2 3	1 5 6	/ 8	9 1						4 5	6 7 R	9	(-10
a3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	12345678	1 2 3 4 5 6 7 8	1	2 3	4 5 6	7 8	9 1	2 3	4 3 0	,						
 b. Left main disease - Posterior or Posterior-Inferior myocardial infarction 												0 1	2 1	4.5	678	9	(-10
bl. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1	2 3	4 5 6	7 8	9 1	2 3	, , ,							11
b2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1	2 3	4 5 6	7 8	9 1	2 3	4 5 6	7 8	,	2 3	• •			
b3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1	2 3	4 5 6	7 8	9 1	2 3	4 5 6	7 8	9 1 :	2 3	4 5	6 / 8	,	(-10
c. Three vessel disease		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1	2 3	4 5	7 8	9 1	2 3	4 5 (7 8	9 1	2 3	4 5	6 7 8	, 9	(-1
cl. Ejection fraction >50%					2 3	4 5	5 7 8	9 1	2 3	4 5 6	5 7 8	9 1	2 3	4 5	678	3 9	(-1
c2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8		2 2	4.5	. 7 8	9 1	2 3	4.5	6 7 8	9 1	2 3	4 5	671	3 9	(-1
c3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	1													
 d. Two vessel disease with proximal left anterior descending involvement 								0 1	2 1	. 4 5	678	9 1	2 3	4 5	67	8 9	(-1
dl. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	, ,	23	4 3						9 1	2 3	4.5	67:	8 9	(-1
d2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9	1 2 3	4 5	678	9 1	2 :				2 3		6.7	8 9	(-1
d3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9	2 3	4 5	678	9 1	2 :	3 4 5	6 / 8	7 1	2 3	, ,			
d3. Ejection fraction <20%	1.5450.0																

apter 4		MORMAL OR LOW RISK		MODERATELY	EIGE (0) AND VERY	
DET MYOCARDIAL INFARCTION	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriatement of FTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for PTCA	Appropriateness of PYCA, compared to medical therapy
e. Two vessel disease without proximal left anterior descending involvement					1 2 2 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (-10)
el. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9 (-10
e2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9 (-10
e3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456709	1 2 3 4 5 6 7 8 9 (-10
 Single vessel disease - proximal left anterior descending 					122456789	1 2 3 4 5 6 7 8 9 (-11
fl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9		123456789 (-11
f2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9		123456789 (-1:
f3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9	1 1 2 3 4 3 6 7 6 7	1 2 3 4 5 6 7 8 9 (-1
g. Single vessel disease - any vessel other than PLAD						1 2 3 4 5 6 7 8 9 (-1
gl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 5		1 2 3 4 5 6 7 8 9 (-1
g2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 6 1	123456789 (-1
g3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	123456785	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 5	123456789 (-1
 Subendocardial (non Q-Wave) myocardial infarction 						
 Left main disease - Anterior myocardial infarction 				1 2 2 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 1	9 1 2 3 4 5 6 7 8 9 (-1
al. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 :		0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (-1
a2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	12345678	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (-1
a3. Ejection fraction <20%	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	, 12343070	9 1 2 3 4 5 6 7 8 9 (-1
 b. Left main disease - Posterior or Posterior-Inferior myocardial infarction 					0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (-1
bl. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 3 6 7 8		9 1 2 3 4 5 6 7 8 9 (-1
b2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8		9 1 2 3 4 5 6 7 8 9 (-1
b3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 6	9 1 2 3 4 5 6 7 8 9 (-1

apter 4		MODMAL OR LOW RISK		MODIFATELY HIGH (0) AND VERY HIGH RISK (X)
ST MYOCARDIAL INVARCYION	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Approprietenese of FTCA, compared to medical therapy	Appropriateness Appropriateness of CANG, of PTCA, of PTCA, of PTCA, of PTCA, of PTCA for PTCA for PTCA medical therapy
c. Three vessel disease				
cl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-11:
c2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-11
c3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-11
d. Two vessel disease with proximal left anterior descending involvement				
dl. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-11
d2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-12
d3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-1:
 Two vessel disease without proximal left anterior descending involvement 				
el. Ejection fraction >50%	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-1
e2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	12345678	9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-1
e3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	123456789	12345678	9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-1
 Single vessel disease - proximal left anterior descending 				
fl. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-1
f2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-1
f3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-1
g. Single vessel disease - any vessel other than PLAD				9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-1
gl. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 = 1
g2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-1
g3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 (-1

ASYMPTOMATIC

The indications for CABG or PTCA in asymptomatic patients are grouped into the following categories:

- I. PREVIOUS MYOCARDIAL INFARCTION
- II. NO PREVIOUS MYOCARDIAL INFARCTION

Each category is subdivided into two groups according to whether the exercise ECG was a) very positive or b) negative to minimally positive, indeterminate, or not done.

Within each category, you are asked to rate the indication for appropriateness for six types of vessel disease:

- 1. Left Main Disease
- 2. Three vessel disease
- 3. Two vessel disease with proximal LAD
- 4. Two vessel disease without proximal LAD
- 5. Single vessel disease proximal LAD
- 6. Single vessel disease any vessel other than PLAD

There are a total of 24 indications in this chapter.

hapter 5		HORMAL OR LOW RISK		BOURNIES.	HIGH (0) AND VERY B		
SMOTOWAIG	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriatenese of CABG, Pt IS candidate for PTCA	Appropriateness of FTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt Is candidate for PTCA	Appropriateness of FTCA, compared to medical therapy	
PRIVIOUS MYCCARDIAL IMPARCTION > 3 MONTHS AGO)							
. With very positive exercise ECG					1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(1-
A. Left main disease	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	123456789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(7- 1
B. Three vessei disease							
C. Two vessel disease with proximal left anterior descending involvement						1 2 3 4 5 6 7 8 9	
D. Two vessel disease without proximal left anterior descending involvement						1 2 3 4 5 6 7 8 9	
E. Single vessel disesse - proximal left anterior descending						1 2 3 4 5 6 7 8 9	
F. Single vessel disease - any vessel other than PLAD	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	, 31-
 With negative to minimally positive exercise ECG 			0 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	12345678	9 1 2 3 4 5 6 7 8 9	(37-
A. Left main disease	1 2 3 4 5 6 7 8 9	1 1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(43-
B. Three vessel disease	1 2 3 4 5 6 7 8 9	1 1 2 3 4 3 6 7 0					1 49-
C. Two vessel disease with proximal left anterior descending involvement	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(55=
D. Two vessel disease without proximal left anterior descending involvement	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(61-
E. Single vessei disease - proximal left anterior descending	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(67-
F. Single vessel disease - any vessel other than PLAD	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	
NO PREVIOUS MYOCARDIAL IMPARCTION (HIGE RISK OCCUPATION OR POSITIVE SCREENING EXAMINATION)							
1. With very positive exercise ECG				9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(73-
A. Left main disease	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(79-
B. Three vessei disease							
C. Two vessel disease with proximal left anterior descending involvement						9 1 2 3 4 5 6 7 8 9	
D. Two vessel disease without proximal left anterior descending involvement	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	, 91-

hapter 5		MORMAL OR LOW RISK		MODERATELY	RIGH (0) AND VERY		
STATOMATIC	Appropriateness of CABG, Pt NOT candidate for FTCA	Appropriatenese of CASG, Pt IS candidate for PTCA	Appropriatenese of PTCA, compared to medical therapy	Appropriateness of CARG, Pt NOT candidate for PTCA	Appropriateness of CABG,	Appropriateness of PTCA, compared to medical therapy	
E. Single vessel disease - proximal left anterior descending						1 2 3 4 5 6 7 8 9	
F. Single vessel disease - any vessel other than PLAD	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9	(103-10
. With negative to minimally positive exercise ECG				1 2 3 4 5 6 7 8 9	123456785	1 2 3 4 5 6 7 8 9	(109-1
A. Left main disease	123456789	123456789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456785	1 2 3 4 5 6 7 8 9	(115-1
B. Three vessel disease C. Two vessel disease with proximal left anterior descending involvement	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(121-1
D. Two vessel disease without proximal left anterior descending involvement	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	(127-1
E. Single vessel disease - proximal left anterior descending	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(133-1
F. Single vessel disease - any vessel other than PLAD	12345678	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(139-

NEAR SUDDEN CARDIAC DEATH

The indications for CABG or PTCA in patients with near sudden cardiac death are grouped into two categories:

- I. WITH ANGINA AND/OR A VERY POSITIVE EXERCISE ECG
- II. WITH NEITHER ANGINA NOR A POSITIVE EXERCISE ECG

Within each category, you are asked to rate the indication for appropriateness according to the location and extent of coronary artery disease:

- 1. Left Main Disease
- 2. Three vessel disease
- 3. Two vessel disease with proximal LAD
- 4. Two vessel disease without proximal LAD
- 5. Single vessel disease proximal LAD
- 6. Single vessel disease any vessel other than PLAD

These are further broken down according to three levels of ejection fraction: >50%, 20-49%, and <20%.

There are a total of 36 indications in this chapter.

### ADDRESS PARTY Appropriate Appropria	6		MORMAL OR LOW RISK		MODERATELY	HIGH (O) AND VERY H	~
2. Ejection fraction 20-494 3. Ejection fraction 4204 B. THREE VESSEL DISEASE 1. Ejection fraction 20-494 2. Ejection fraction 20-494 3. Eject	DEM DEATH	of CABG, t NOT candidate	Appropriatenese of CABG, Pt IS candidate	of PTCA, compared to	Appropriateness of CABG, Pt NOT candidate	Appropriateness of CABG, Pt IS candidate	of PTCA, compared to
1. Ejection fraction 20049 1. 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7 8 9 1 23 4 5 6 7	DIA AND/OR STRONGLY POSITIVE ECG						
2. Ejection fraction 20-498 3. Ejection fraction 20-498 4. Ejection fraction 20-498 5. Ejection fraction 20-498 7.	MAIN DISEASE					1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (1-
3. Ejection fraction <pre>20</pre>	ection fraction >50%	2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123450/07	123456789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (7-
S. THREF WESSEL DISEASE 1	ection fraction 20-49% 1	. 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 0 9	123450705	123456789	1 2 3 4 5 6 7 8 9 (13.
2. Ejection fraction 2048 3. Ejection fraction 2048 4. 23 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6	ection fraction <20%	. 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 / 6 7	1234507	123430
1. Ejection fraction 2504 2. Ejection fraction 20-454 3. Ejection fraction 20-455 3. Ejection fraction 20-456 4. Ejection fracti	VESSEL DISEASE					7 8 9	. 2 2 4 5 6 7 8 9 (19-
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2. Ejection fraction <20% 3. Ejection fraction <20% 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 12	jection fraction >50%	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 0	2345678	a 1 2 3 4 5 6 7 8 °	3 1 2 3 4 5 6 7 8 9 (75
F. SINGLE VESSEL DISEASE - ANY VESSEL OTIERS THAN PLAD 1 23456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789	jection fraction 20-49%	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 9	1 2 3 4 5 6 7 8	0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (85
1. Ejection fraction >50% 123456789 123456789 123456789 123456789 123456789 123456789 123456789 123456789							
1. Ejection 123456789 123456789 123456789 123456789 123456789	LE VESSEL DISEASE - ANY VESSEL ER THAN PLAD	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8) 123456789 (91 a 123456789 (91
1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7	sjection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6 .		
2. Ejection fraction 20-494 123456789 123456789 123456789		1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 0 7 0	
2. Ejection fraction 20-499 3. Ejection fraction <204 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5 6 7 8 9 1 2 3 4 5		1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 / 0	, 123450,00

Chapter 6		MORMAL OR LOW RISK				IGH (0) AND VERY H		
HEAR SUDDEN DEATH	Appropriateness of CABG, Pt BOT candidate for PTCA		Appropriateness of PTCA, compared to medical therapy	Appropriates of CABC Ft NOT canc for PTC	odidate	Appropriateness of CABG, Pt Is candidate for PTCA	Appropriateness of FTCA, compared to medical therapy	
2. With neither angina nor a positive exercise ECG	_							
A. LEFT MAIN DISEASE				1 23451	6789	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	(115-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 7	123450701		. 7 9 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	(121-
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 0 7	12313			1 2 3 4 5 6 7 8 9	(127-
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 0	.789 .	12345070.	1 2 3 4 5 6 7 8 9	
B. THREE VESSEL DISEASE							4 5 6 7 8 9	/133-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	. 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6	; 7 8 9 J	123450707	9 1 2 3 4 5 6 7 8 9	/139
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6	5789	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	(145)
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6	5789	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	(145-
C. TWO VESSEL DISEASE WITH PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT							a 123456789	(151-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	, 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6	5789	12345074-	9 1 2 3 4 5 6 7 8 9	(157
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5	6789	123456767	9 1 2 3 4 5 6 7 8 9	/163
3. Ejection fraction <20%	1 2 3 4 5 6 7 8 9) 123456789	1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 4	6789	1 2 3 4 5 6 / 6 7	9 1 2 3 4 5 6 7 8 9	14
D. TWO VESSEL DISEASE WITHOUT PROXIMAL LEFT ANTERIOR DESCENDING INVOLVEMENT							9 1 2 3 4 5 6 7 8 9	{169
1. Ejection fraction >50%	1 2 3 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9	, 12345678	9 1 2 3 4 5	0 / 0 -	12345578	9 1 2 3 4 5 6 7 8 9	(175
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	1 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5	6789	1234507	9 1 2 3 4 5 6 7 8 9	(181
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5	6789	123450/0/	9 1 2 3 4 5 6 7 8 9	
E. SINGLE VESSEL DISEASE - PROXIMAL LEFT ANTERIOR DESCENDING					< 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9) (187
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 0	9 1 2 3 4 5			0 1 2 3 4 5 6 7 8 5	9 (193
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5	6767	12345678	9 1 2 3 4 5 6 7 8 9	9 (199
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5	6769	123450	9 1 2 3 4 5 6 7 8 9	
F. SINGLE VESSEL DISEASE - ANY VESSEL OTHER THAN PLAD						1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 (205
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 0	9 1 2 3 4 5	6 7 0 7	12345678	0 1 2 3 4 5 6 7 8 5	9 (211
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5	6789	123450	9 1 2 3 4 5 6 7 8 9	9 (217
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5	6789	12345070	9 1 2 3 4 5 6 7 8 9	,

POST PTCA COMPLICATION

The indications for CABG or PTCA in patients with post PTCA complications are grouped into two categories:

- I. PTCA NOT ATTEMPTED TO REOPEN THE OCCLUSION
- II. PTCA ATTEMPTED BUT FAILED TO REOPEN THE OCCLUSION

Within each category, you are asked to rate the indication for appropriateness according to whether or not the myocardium is in jeopardy.

There are 4 indications in this chapter

hapter 7		MORMAL OR LOW RISK			EIGE (0) AND VERY	
MOMENTATION POLICITY FILL WITH MAJOR COMPLICATION	Appropriateness of CABG, Pt MOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for PTCA	Appropriateness of FTCA, compared to medical therapy	Appropriateness of CASG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for PTCA	Appropriateness of FTCA, ompared to medical therapy
L. PTCA not attempted to reopen occlusion				1 2 2 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789 (1-
A. Myocardium in immediate jeopardy	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 6 9	123430.00	1 2 2 4 5 6 7 8 5	1 2 3 4 5 6 7 8 9 (7- 1
B. Myocardium not in immediate jeopardy	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123430,0	••••
PTCA attempted but failed to reopen occlusion					12345678	9 1 2 3 4 5 6 7 8 9 (13-1
A. Myocardium in immediate jeopardy	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 6 7		1 2 2 4 5 6 7 8 9 (19-2
B. Hyocardium not in immediate jeopardy	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 9	12345676	9 1 2 3 4 5 6 7 8 9 (19- 2

CORONARY REVASCULARIZATION WITH VALVE SURGERY

The indications for CABG or PTCA in patients who are undergoing valve repair or replacement are grouped by six vessel categories:

- 1. Left Main Disease
- 2. Three vessel disease
- 3. Two vessel disease with proximal LAD 4. Two vessel disease without proximal LAD
- 5. Single vessel disease proximal LAD 6. Single vessel disease - any vessel other than PLAD

These are further broken down according to three levels of ejection fraction: >50%, 20-49%, and <20%, and, for two vessel disease, according to whether the exercise ECG was very positive or not.

There are 24 indications in this chapter.

Chapter 8		BORNAL OR LOW RISK				MODERATEL				Approp					
CORONALY REVASCULARIZATION WITH VALVE SUBGERY	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy	Pt	of	CABG, candidate PTCA		of CA	ABG, ndidate	001	of PT	CA,			_
			'	1											
AFT MAIN DISEASE			9 1 2 3 4 5 6 7 8 9	1 2	3 4	5 6 7 8	9 1 7	2 3 4 5	6789	1 2 3	4 5	6 7 8	19 ((1-	6
A. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	12345070-	9 1 2 3 4 5 6 7 8 9	1 2	3 4	5 6 7 8	9 1 :	2 3 4 5	6 7 8 9	1 2 3	4 5	6 7 8	3 9 ((7- 1	12
B. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	123450/0-	9 1 2 3 4 5 6 7 8 9	1 2	- 3 4	5 6 7 8	9 1	2 3 4 5	6785	9 1 2 3	4 5	678	9	(13- 7	18
C. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123450767	1.	٠.	3									
PHREE VESSEL DISEASE			9 1 2 3 4 5 6 7 8 9	١,,,		5 6 7 8	9 1	2 3 4 5	678	9 1 2 ?	4 5	6 7 F	8 9	(19-	24
A. Ejection fraction >50%	1 2 3 4 5 6 7 8 9) 123456789	9 1 2 3 4 5 6 7 8 9 9 1 2 3 4 5 6 7 8 9	1,	- 2 (0 1	2 3 4 5	678	9 1 2 ?	3 4 5	671	8 9	(25-	30
B. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 5) 123456789	, 123456709	1 4	. 3 4	501-	. ^ 1	2345	678	9 1 2 3	1 4 5	67	8 9	(31-	3
C. Ejection fraction <20%	1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	1 2	: 3 +	56/0	9 1	23	6 7	,					
TWO VESSEL DISEASE WITH PROXIMAL LEFT AMTERIOR DESCRIPTING INVOLVEMENT															
A. WITH A VERY POSITIVE EXERCISE ECG				1.		(- 0 1	2345	4 6 7 8	9 1 2	3 4 5	6 7	8 9	(37-	4
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	1.	23 -		- 0 1	2241	- 678	9 1 2	3 4 5	6 7	8 9	(43-	4
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9	1.	23 1	1561	- 0 1	2341	- 678	9 1 2	3 4 5	6 7	8 9	(49-	5
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 5	11.	23 -	150/-	, , .	23	,	,					
B. WITH A NEGATIVE TO MINIMALLY POSITIVE EXERCISE ECG							- ^ 1	234	- 6 7 8	9 1 2	3 4 5	5 6 7	8 9	(55-	. (
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1	2 3	45670	19 1	2345		9 1 2	3 4 5	67	8 9	(61-	
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	3 1	2 3	4 5 6 7 8	89 1	2343	3670	2 1 2	3 4 5	. 67	a 9	1 67-	
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1	2 3	4 5 6 7 1	8 9 1	2 3 4 3	5676	9 1 2	3 + -	,	٠.		
TWO VESSEL DISEASE WITHOUT PROXIDEL LEFT ANTERIOR DESCRIDING INVOLVEMENT															
A. WITH A VERY POSITIVE EXERCISE ECG								2 2 4	7 8	0 1 2	3 4 5	5 6 7	8 9	(73-	-
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1	2 3	4507	89 .	231	. 4 7 8	9 1 2	3 4 5	5 6 7	8 9	(79-	_
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1	2 3	4567	89 .	234			3.4	5 6 7		(85-	
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1	2 3	4 5 6 7	8 9 1	234	5 6 / -	9	3	3 .	• -		
B. WITH A NEGATIVE TO MINIMALLY POSITIVE EXERCISE ECG						7		234	5 6 7 8	9 1 2	3 4	5 6 7	8 9	(91.	_
1. Ejection fraction >50%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	3 9 1 2 3 4 5 6 7 8	9 1	2 3	450.		234	5678	9 1 2	3 4	5 6 7	8 9	(97-	_
2. Ejection fraction 20-49%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1	2 3	450,		234	5678	9 1 2	3 4	5 6 7	189	(103-	_
3. Ejection fraction <20%	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	8 9 1 2 3 4 5 6 7 8	9 1	2 3	4507			3						_

Chapter 8		MORMAL OR LOW RISK		MODERATELL	HIGE (0) AND VERY B	
COROHARY REVASCULARYEATION WITH VALVE SURGERY	Appropriateness of CABC, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of PTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy
INGLE VESSEL DISEASE - PROXIMAL LEFT MIERIOG DESCRIDING				1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (109
A. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123450707	1 2 2 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (115
B. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123430703	1 2 2 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (121
C. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123430,00	1 2 3 4 5 6 7 8 9 (121
THELE VESSEL DISEASE - ANY VESSEL						
OTHER THAN PLAD			1 2 2 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (127
A. Ejection fraction >50%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 6 9		1. 22456785	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (133
B. Ejection fraction 20-49%	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	123456703	123456785	1 2 3 4 5 6 7 8 9 (139
C. Ejection fraction <20%	1 2 3 4 5 6 7 8 9	123456789	1 2 3 4 5 6 7 8 5	1 2 3 4 3 6 7 6 .		

PALLIATIVE PTCA

The pupose of this chapter is to provide the opportunity to rate the appropriateness of performing PTCA in patients who would not be considered for CABG because of limited life expectancy or extremely high comorbidity. These are patients who would not be candidates for emergency CABG in the event of a PTCA complication.

There are 8 categories of indications:

- Severe angina
- 2. Unstable angina
- 3. Acute myocardial infarction
 - A. Cardiogenic Shock
 - B. Evolving AMI post thrombolytic therapy
 - C. Evolving AMI no thrmobolytic therapy
- 4. Post Myocardial infarction (1-7 days)
 - A. Angina after thrombolysis
 - B. Angina, no thrombolytic therapy
- 5. Post myocardial infarction angina (1-6 weeks)

In each category please rate the indication according to location and extent of disease:

- 1. Left main disease
- 2. Three vessel disease
- 3. Two vessel disease
- 4. Single vessel disease

There are a total of 32 indications to be rated in this chapter.

hapter 9	HORMAL OR LOW RISK	MODERATELY HIGH (0) AND VERY HIGH RISK (X)
ATTEMY HAS SUFFICIENT COMOUNIDITIES THAT ME/SHE WOULD HOW HE COMMIDIEND A CAMDIDATE OR NYPHAS SURVENCE IT WITH EVERT OF FYCA ATLURE (SECUNDING A MAJOR ACUTE KOMPLICATION	Appropriatenese of FrCA, compared to medical therapy	Appropriateness of FTCA, compared to medical therapy
MERCHIC STABLE ANGINASEVERE (CLASS III-IV)		1 2 3 4 5 6 7 8 9 (1- 2
A. Left main disease	1 2 3 4 5 6 7 8 9	
	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (3- 4
B. Three veseel disease	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (5- 6
C. Two vessel disease	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (7- 8
D. Single veesel disease	123430.03	
DESTABLE ANGINA (NOT FOLLOWING MYOCARDIAL		
INTARCTION)	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (9-10
A. Left main disease		1 2 3 4 5 6 7 8 9 (11- 12
B. Three vessel disease	1 2 3 4 5 6 7 8 9	
	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (13- 14
C. Two vessel disease	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (15- 16
D. Single vessel disease		
ACUTE MYOCARDIAL INTARCTION	į.	
A. CARDIOGENIC SHOCK		1 2 3 4 5 6 7 8 9 (17- 10
1. Left main disease	1 2 3 4 5 6 7 8 9	
	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (19- 2)
2. Three vessel disease	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (21- 2
3. Two vessel disease	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (23- 2
4. Single veesel disease		
B. EVOLVING HYOCARDIAL INFARCTION (AFTER		
SUCCESSFUL THROMBOLYSIS)	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (25- 2
1. Left main disease	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (27- 2
2. Three vessel disease		1 2 3 4 5 6 7 8 9 (29- 3
3. Two vessel disease	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (31- 3
4. Single veesel disease	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (51- 5
C. EVOLVING MYOCARDIAL INFARCTION (THROMBOLYSIS UNSUCCESSFUL OR NOT ADMINISTERED)		123456789 (33-3
1. Left main disease	1 2 3 4 5 6 7 8 9	
	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (35- 3
2. Three vessel disease	1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9 (37- 3
3. Two vessel disease	1 2 3 4 5 6 7 8 9	123456789 (39-4
4. Single vessel disease	1 2 3 4 5 6 7 8 9	

mapter 9	MORNAL OR LOW RISK	MODERATELY HIGH (0) AND VERY HIGH RISK (X)
ATTENT HAS SUTFICIENT COMPRISITIES THAT #/SER WOULD NOT BE COMMENDED A CANDIDATE OR STRAINS SURCENT IN THE EVERY OF FICA ALTURE (INCLIDING A MAJOR ACOTE ON ELECATION	Appropriateness of FCA, occupared to medical therapy	Appropriateness of FTCA, omegared to medion! therapy
OST MYOCARDIAL IMPARCTICS (1-7 DAYS)		
AMCINA AFTER SUCCESSFUL THROMBOLYTIC THERAPY 1. Left main disease 2. Three vessel disease 3. Two vessel disease 4. Single vessel disease 5. ANGINA THROMBOLYTIC THERAPY UNSUCCESSFUL OR NOT GIVEN 1. Left main disease 2. Three vessel disease 3. Two vessel disease	123456789 123456789 123456789 123456789 123456789 123456789	1 2 3 4 5 6 7 8 9 (41- 42 1 2 3 4 5 6 7 8 9 (43- 44 1 2 3 4 5 6 7 8 9 (45- 4 1 2 3 4 5 6 7 8 9 (47- 4 1 2 3 4 5 6 7 8 9 (49- 5 1 2 3 4 5 6 7 8 9 (51- 5 1 2 3 4 5 6 7 8 9 (53- 5 1 2 3 4 5 6 7 8 9 (55- 5
4. Single vessel disease FOOT MICCASCIAL INFARCTION (OME TO SIX WEEKS) A. ANGINA 1. Left main disease 2. Three vessel disease 3. Two vessel disease 4. Single vessel disease	123456709 123456709 123456709 123456709	123456789 (57- 123456789 (59- 123456789 (61- 123456789 (63-

hapter		SHAL OR LOW RISK			GE (0) AND VERY HIG	
naptex	Appropriateness of CABG, Pt NOT candidate for FTCA	Appropriateness of CARG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy	Appropriateness of CARG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 5	9 1 2 3 4 5 6 7 8 9 (
	1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
	12343070					
		0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
	12345676	,				
				0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 ~ 5 6 7 8 9 {
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	, , , , , , , , , , , ,		
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
				1		

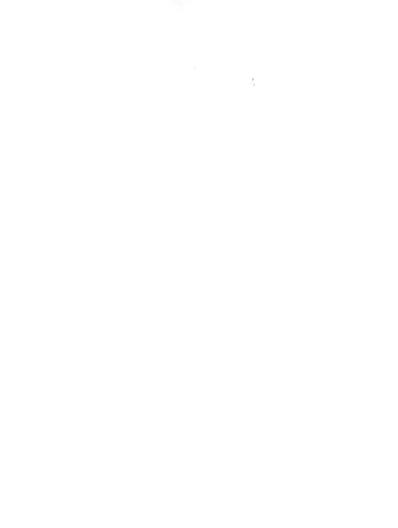
		ORMAL OR LOW RISK		MOLIATEDI N.	GH (0) AND VERY HIG	
hapter	Appropriateness of CAMG, Pt NOT candidate for FTCA	Appropriateness of CABG,	Appropriateness of PTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for FTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
			0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
	1 2 3 4 5 6 7 8	9 1 2 3 4 3 6 7 6	,			
					0 1 2 2 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
	1 2 3 4 5 6 7	8 9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9 (
	1 2 3 4 5 6 7	8 9 1 2 3 4 5 6 7	8 9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
		1 2 3 4 5 6 7	8 9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7	8 9 1 2 3 4 5 6 7 8	3 9 1 2 3 4 5 6 7 8 9 (
	1 2 3 4 5 6 7	0,1234501				

hepter	JK	MMAL OR LOW RISK			Appropriatemess	Appropriateness
	Appropriateness	Appropriateness of CABG, Pt IS candidate for PTCA	appropriateness of FTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for FTCA	of CABG, Pt IS candidate for PTCA	of FTCA, compared to medical therapy
					1 2 3 4 5 6 7 8 9	123456789 (
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 6 5		
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9 (
	·					
			0 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	, , , , , , , , ,			
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
		0 1 2 3 4 5 6 7 1	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
	1234307	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
	1 2 3 4 5 6 7	8 9 1 2 3 4 5 6 7	8 9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
Appropriateness scale: 1 = extreme						

Thapter	3801	MAL OR LOW RISK		MODERATELY HI		Appropriateness	
	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG,	Approprieteness of FTCA, compared to medical therapy	Approprieteness of CANG, Pt NOT candidate for FTCA	Appropriateness of CARG, Pt IS candidate for PTCA	of FCA, compared to medical therapy	
	- - 123456785	12345678	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9	(
	_						
	12345678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	ſ
	_						
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(
	_						
	12345678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(
	_						
	12345678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(
		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	(
	12345676						

hapter	380	MAL OR LOW RISK		MANAGEM A	IGH (0) AND VERY MIGH	
	Appropriateness	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy	Appropriateness of CABG, Pt NOT candidate for PTCA	Appropriateness of CABG, Pt IS candidate for FTCA	Appropriateness of FTCA, compared to medical therapy
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 5	123456789 (
		9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9	9 1 2 3 4 5 6 7 8 9 (
		a 1 2 3 4 5 6 7 A	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
	12343676	, , , , , , , , , , , , , , , , , , , ,				
				9 1 2 3 4 5 6 7 8	19 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 12343676			
						0 122456789 (
	12345678	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 6	9 1 2 3 4 5 6 7 8 9 (
	1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 1	8 9 1 2 3 4 5 6 7 8	9 1 2 3 4 5 6 7 8 9 (
Appropriateness scale: 1 = extremely						

		380	MAL O	LOW	RISK							MOE	ERAS	ELY	HIGH	(0)	ANT	VER	Y HI							
hapter	Appropriateness Appropriateness of CARG, of CARG, Pt NOT candidate for PTCA for PTCA						prist	anes		Appropriateness of CABG, Pt NOT candidate for PTCA			•	of CABG,					Appropriateness of FTCA, compared to medical therapy							
	-																									
	_																									
	1234	5 6 7 8 9	1 2	3 4 5	676	9	1 2 3	4 5	6 7	8 9	1 :	2 3	4 5	6 7	8 9	1 2	3 4	5 6	7 8	9	1 2 3	3 4 5	6 7	8 9	(1
	_																									
	-																									
	_	5 6 7 8 9		2 4 5	671		1 2	3 4 5	6 7	8 9	1	2 3	4 5	6 7	8 9	1 2	3 4	5 6	7 8	9	1 2	3 4 :	5 6	8 9	(
	_ 123	156/8:	1 2	3 4 2																						
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	_	4 5 6 7 8 :							4 7		١,	2 3	4 5	6 7	8 9	1 :	2 3 4	5 6	7 8	9	1 2	3 4	5 6	7 8 9	(
	1 2 3	45678	1 2	3 4 :	. 6 /	5 9	1 2	3 4 .	, ,		1															
	_																									
	_																									
	_	45678					1 2		. 6 7		١,	2 3	4 5	6 7	8 9	1	23	1 5	7 8	9	1 2	3 4	5 6	7 8 9	(
	1 2 3	45678	9 1 2	3 4		. ,	1 2		, , ,																	
		4 5 6 7 8									١,	2 3	4 5	6.7	R 9	1	2 3	15	5 7 8	9	1 2	3 4	5 6	7 8 9	(
	1 2 3	45678	9 1 2	3 4	5 6 7	8 9	1 2	3 4	3 6		1															
	_																									
	_																									
	_	4 5 6 7 8									١,	2 2		6.7			2 3	4.5	6 7 E	9	1 2	3 4	5 6	7 8 9	9 (
	1 2 3	4 5 6 7 8	9 1 2	3 4	5 6 7	8 9	1 2	3 4	3 6	, .	1	2 3	, , ,			•										
Appropriateness scale: 1 = extremely inap											1															



QUESTIONNAIRE

1.	Do you prefer to define candidates for revascular- ization as those with 50% narrowing of the vessel?
2.	Is PTCA indicated in some patients with less than 50% narrowing of the artery?
3.	Do you believe that there is an overall CABG operative mortality rate for an institution or surgeon, above which they should not perform CABG?
4.	If your answer to 3 is yes, what is that rate:
6.	Do you think it is ever appropriate to perform CABG as the sole procedure for patients with ventricular arrhythmias?
7.	Do you consider a patient with significant disease in a dominant circumflex a. with a small RCA to have the equivalent of 2VD?
8.	Would you prefer to provide ratings for more than 3 levels of EF?
9.	If so, please list the indications (by number and letter is ok) where the additional levels are needed. Where would you break it:
10.	Do you have any additional contraindications to add to the ones provided? If so, list.
11.	Are there any missing indications? List.
12.	What factors would you add to the Parsonnet score?
13.	If you prefer to define any of the factors differently, please note that here and write the definition on the opposite side of this page. Yes:

